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**LAMINAR INORGANIC SUBSTANCE-CONTAINING RESIN FILM**

Patent Number: JP11071509

Publication date: 1999-03-16

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Requested Patent:  JP11071509

Application Number: JP19980182189 19980629

Priority Number(s):

IPC Classification: C08L67/02; C08J5/18; C08K3/34; C08K5/54; C08K9/06; C08L69/00

EC Classification:

Equivalents:

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**Abstract**

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**PROBLEM TO BE SOLVED:** To prepare the subject film capable of maintaining transparency and surface smoothness of a resin of its own, developing excellent modulus of elasticity, dimensional stability, gas barrier properties, etc., useful in the field of food packaging material, liquid crystal board, etc., by adding a prescribed silane clay composite to a specific resin.

**SOLUTION:** This film comprises (A) a polyester resin or a polycarbonate resin and (B) a silane clay composite material. The component B is prepared by introducing a compound (B2) of the formula  $Y_n Si_4-n$  [Y is a (substituted) 1-25C hydrocarbon group; X is a hydrolyzable group or OH; (n) is 0-3] to a swelling silicate (B1) such as smectite group clay or swelling mica. The average layer thickness of the component B in the film is adjusted to  $<=300 \text{ \AA}$  (preferably the average aspect ratio is 10-300 and the number of particles existing in  $100 \mu \text{m}^2$  film area per unit ratio is  $>=30$ ).

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